

A new species of *Orthosia* (Lepidoptera, Noctuidae) from Nepal

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Abstract *Orthosia subcarnipennis* sp. n. is described from Nepal. This is the closest relative of *O. carnipennis* (Butler) from East Asia.

Key words Lepidoptera, Noctuidae, *Orthosia subcarnipennis* sp. n., *Orthosia carnipennis*, Nepal, taxonomy.

Orthosia subcarnipennis sp. n. (Fig. 1)

♂. Very similar to *O. carnipennis* (Butler, 1878). Expanse 42 mm (length of forewing 20 mm), a little smaller than in *carnipennis*. Antenna bipectinate, with each pecten shorter than in *carnipennis*. Head and thorax silvery gray with pinkish tint. Forewing silvery gray with pinkish tone; characteristic in having an antemedian short black band reaching the inner edge of black stria in cellule 1; a small triangular black spot on costa at the beginning of postmedian line; a dark shade on subcosta inside of subterminal line; cilia pinkish at tip.

Hindwing white, with a small and diffuse gray discocellular spot; minute black dots at termen in cellules 4 to 6; cilia pinkish except tornus.

Male genitalia (Fig. 2). Uncus moderately long, pointed at tip; tegumen with peniculus densely hairy; valva with costal and ventral margins nearly parallel to each other; sacculus bearing a semi-triangular ridge at base; harpe rudimentary, represented by a short digital process at base of ampulla, which is weakly bent and extends beyond the ventral margin of valva; outer margin of cucullus gently rounded, corona absent; juxta bulbous. Aedeagus with a stout caudal process; vesica about 2.5 times as long as aedeagus, bearing a pair of sclerites ornamented with short dents at base and a short cornutus beyond them.

Male brush organs well developed, while *carnipennis* loses them completely.

Holotype. ♂, Nepal, Kathmandu, Godavari 1600 m, 23. iii. 1991, Mahendra S. Limbu, preserved in the National Science Museum, Tokyo.

This new species is apparently the closest relative of *O. carnipennis* (Butler), with which it shares many features in both external and internal characters, except in the male

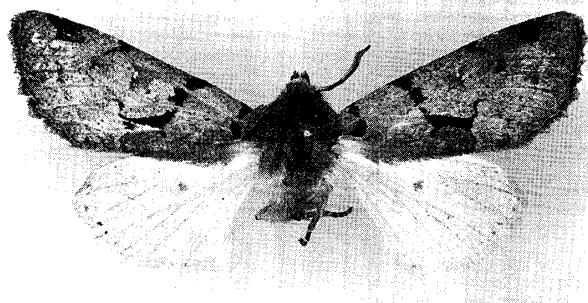
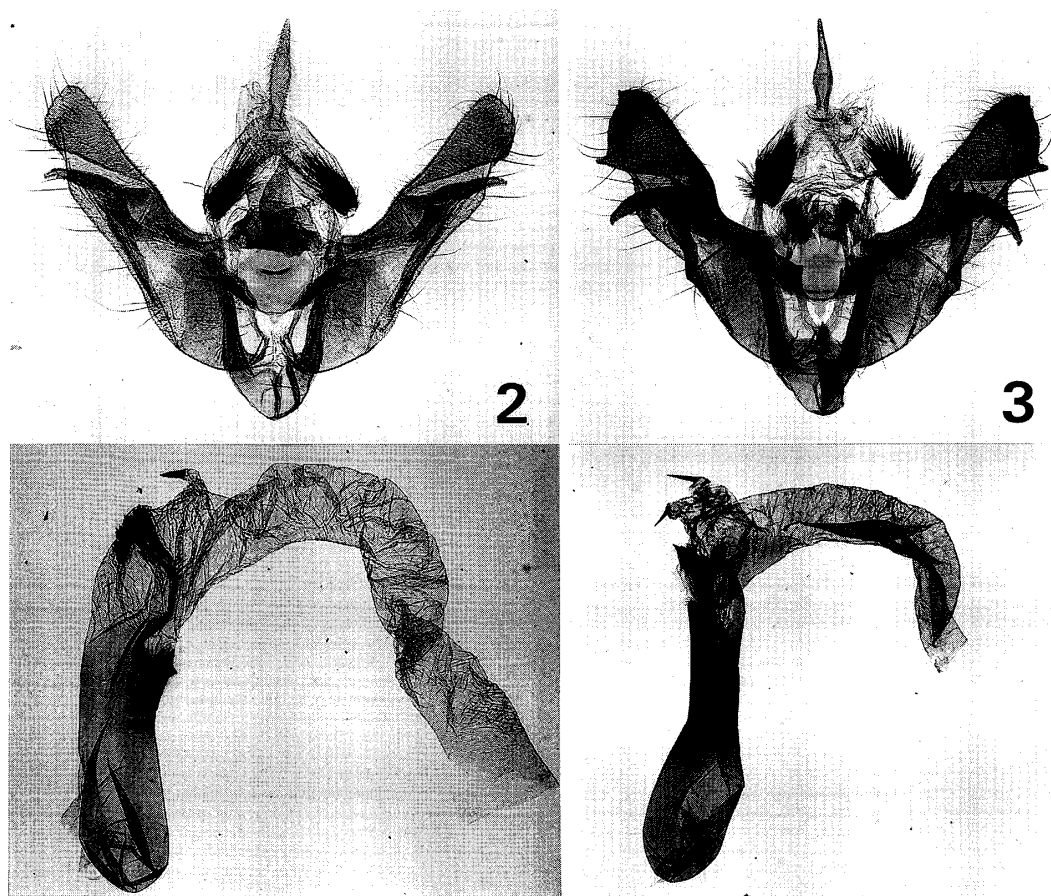


Fig. 1. *Orthosia subcarnipennis* sp. n., holotype, ♂. Nepal, Godavari.



Figs. 2-3. Male genitalia. 2: *Orthosia subcarnipennis* sp. n., holotype. Nepal, Godavari. 3: *O. carnipennis* (Butler). Japan, Kanagawa Pref.

brush organs.

O. carnipennis was described from Yokohama, Japan, and is known to inhabit China (Heilongjian Prov.) (Chen, 1982), USSR (the Primory territory) (Kononenko, 1990), Taiwan (Sugi, 1986) and Japan (Hokkaido, Honshu, Shikoku, Kyushu). Its larvae were repeatedly illustrated in Japan (Kawada, 1950; Yamamoto, Y., 1965; Ujiie, 1972; Yamamoto, M., 1987), and descriptions were given by Yamamoto, Y. (1965) and Ujiie (1972). Larva feeds on various kinds of broad-leaved deciduous trees, making a nest by folding a leaf of host plant medially.

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摘 要

ネパール産 *Orthosia* の 1 新種 (春田俊郎)

ネパールを含め、ヒマラヤ周辺のキリガ類の知見は極めて乏しいが、これは早春期の調査がほとんどなされていないことによる。私は数年来、ゴダバリ在住の Mahendra S. Limbu 氏らの協力のもと、ネパールでの本格的な鱗翅類調査を行ない多くの興味深い知見を得ているが、昨春得られたアカバキリガに近似的の *Orthosia* は、その後の研究の結果新種と判明したので、ここに *O. subcarnipennis* sp. n. として記載した。この新種は、アカバキリガに比べて前翅の色調が灰色味を強く帯び、前縁から 1 室の黒条に連なる太い内横線が顕著である。

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